# Cash Market Call – Key Features of T7 Release 10.0

June 2021





DEUTSCHE BÖRSE GROUP

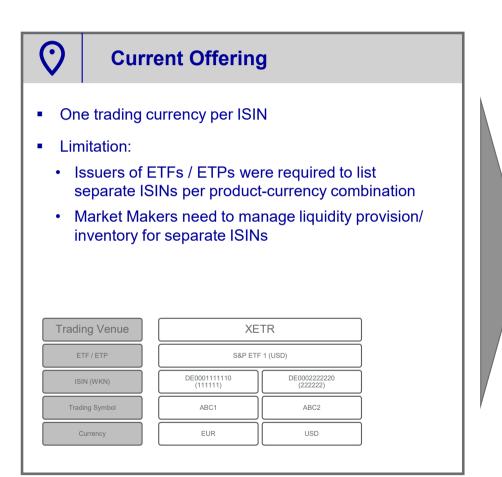
# **Agenda**

- 1 Multi-currency trading for ETFs and ETPs
- **2** Trading Hours Extension for Börse Frankfurt
- 3 Automated Corridor Expansion Volatility Model

# 1 Multi-Currency trading for ETFs and ETPs



# Multi-Currency Trading for ETFs / ETPs on Xetra (MIC XETR)





## **Concept of Multi-Currency Trading**



#### **Basic Concept**

- Multi-Currency Trading concept: Same ISIN, different trading symbols, different currencies on the same trading venue
- Resulting trades are cleared via Eurex Clearing (alternatively via EuroCCP) and settled in the respective trading currency via Clearstream Banking / Clearstream Banking International

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#### Scope

- Multi-currency trading will be available for ETFs and ETPs on Xetra only (MIC XETR)
- At start, available currency is planned to be USD (other non-EUR currencies AUD, CAD, CHF, CNY, GBP, JPY and SEK - will follow in due course)

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#### **Liquidity providers**

- Prerequisite for trading an ISIN-currency combination is at least one Designated Sponsor
- Designated Sponsors and Regulatory Market Makers have to register for every ISIN-currency combination separately

# **Member Impact of Multi-Currency Trading**

Interface type	Changes			
ETI*	an instrument can be identified using the field securityID (tag 48) assigned to each individual instrument			
FIX*	To uniquely identify an instrument, member can choose between:			
	<ul> <li>SecurityIDSource (tag 22) = "M" (Marketplace-assigned identifier) and the field securityID (tag 48) filled with instrument ID assigned by T7 or</li> </ul>			
	- SecurityIDSource (tag 22) = "4" (ISIN) and the field securityID (tag 48) filled with the ISIN. For multi-currency trading, the field Currency (tag 15) is mandatory in case no EUR orderbook is available. In case a EUR orderbook is available and if the field currency is empty the order is routed the EUR book by default. The field symbol (tag 55) may contain "[N/A]" (instead of product identifier).			
GUI	will use an ISIN-currency combination (e.g. "DE0001111110.EUR" and "DE0001111110.USD") to identify an instrument / orderbook			



Reference data



- T7 reference data is available for every ISIN-currency combination
- **WM-Daten** offers support for Multi-Currency Trading on Xetra, i.e. additional ISIN-currency combinations can be identified via WM-Daten



#### **Reports**



- Reports (Trading, Billing, Regulatory) will be adapted to allow a distinct allocation of information to ISIN-currency combination
- \* T7 Interface Specifications already in place (no changes planned in T7 10.0); pls refer to xetra.com > Technology > T7 trading architecture > System documentation > Release 9.1
- \*\* With the introduction of the new FIX LF Gateway the Currency field will be mandatory for all order entries in all instruments. For further details on the FIX LF Gateway migration please refer to the T7 10.00 Release Notes.

#### **Checklist**

# Members that WANT TO participate Members should analyze potential impact on their systems and interfaces where the ISIN is used as a primary key Members may have to consider that in a front-end (GUI) the ISIN is not anymore sufficient to identify an instrument / orderbook Members should check if they are already registered for trading in a specific foreign currency (if yes, no new registration needed\*) Members relying on WM-Daten for their order-routing should check how WM-Daten handles Multi-Currency Trading Designated Sponsors, Market Makers and Xetra EnLight Responders may register for every ISIN-Currency combination

#### **Members that DO NOT WANT TO participate**

□ Members need to ensure that their orders are routed to the ISIN-Currency combination they expect
 □ Members relying on WM-Daten may decide to rout to a "default" currency order book
 □ Members connecting via the FIX interface to T7 may consider making use of the default currency implementation described previously

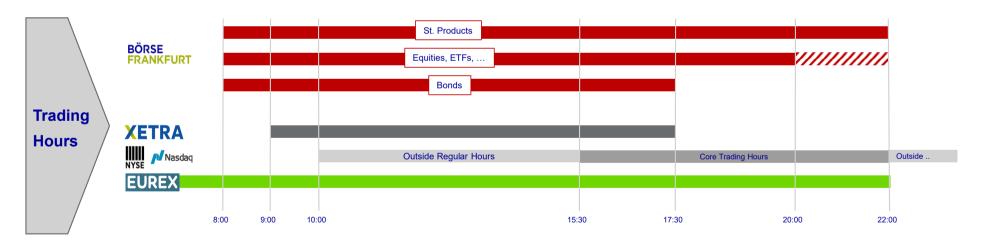
<sup>\*</sup> For information please contact your KAM

# 2 Trading Hour Extension for Börse Frankfurt



# Trading Hour Extension on Börse Frankfurt (MIC XFRA)

- Börse Frankfurt plans to extend the cleared trading hours for equities, ETFs / ETPs and mutual funds to 8:00h 22:00h\* (from 8:00h 20:00h)
- All trades completed after 20:00h are concluded on T, cleared and settled on T+2; as for any other orderbook trade
- Allows for centrally cleared trading after 20:00h for the first time
- Enables traders to trade US shares during the full regular trading hours of US market



\*Bonds will remain to be traded from 8:00h - 17:30h

## **Member Impact of Trading Hour Extension**

# **%**

#### **Impact**

- Impact on T7 members should be limited as Structured Products are already traded today on Börse Frankfurt until
   22:00h
- Impact on Eurex Clearing side is coordinated by the C7 SCS project

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#### **Availability**

- T7 Interfaces ETI and FIX as well as GUI available as today
- Timing of member reports (Trading, Billing, Regulatory) planned not to be changed

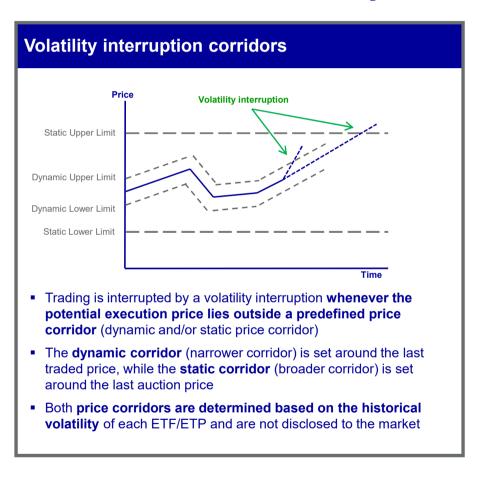
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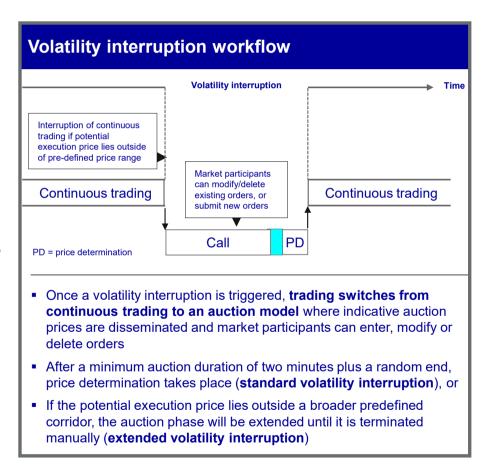
#### **Trading phases**

- "Trading" phase for equities, ETFs / ETPs, mutual funds is now aligned with Structured Products
- "Post-trading" phase for equities, ETFs / ETPs, and mutual funds is reduced to 5 minutes (as today for Structured Products)
- End of "post-trading" phase for bonds moved from 20:29h to 22:04h



# Current ETF / ETP trading safeguards on Xetra - Standard and extended volatility interruptions





# ACE Volatility Model aims to increase speed and transparency of volatility auction processing



#### Rationale

- Covid-19 crisis resulted in unprecedented period of market stress over multiple trading days in Mar/Apr 2020
- Significant price movements and extreme market volatility at opening triggered large number of simultaneous extended volatility interruptions
- Manual processing of extended vola interruptions let to instruments being held longer in auction states, limiting number of ETFs/ETPs available for continuous trading
- In order to speed up processing of vola auctions during periods of severe market stress, ACE aims to improve existing vola interruption concept by introducing an element of greater automation



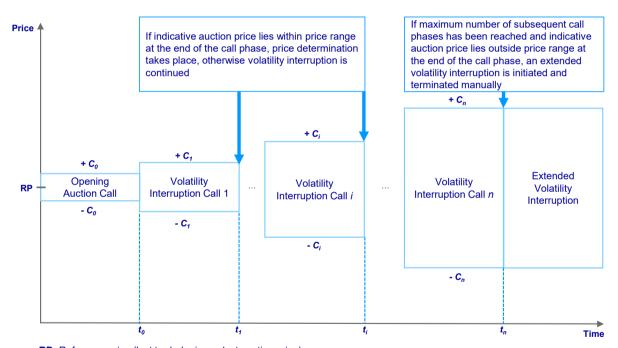
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#### **Objective**

- Speed up vola auction processing during periods of severe market stress through higher degree of automation
- Maintain high price quality of order executions by introducing optional price quality controls
- Improve transparency and predictability of volatility auctions by disclosing corridor thresholds and duration of call phases
- Minimise manual impact on auction processing workflow to ensure simultaneous instrument availability in continuous trading whenever possible
- Introduce future-proof design that keeps pace with growing number of instruments

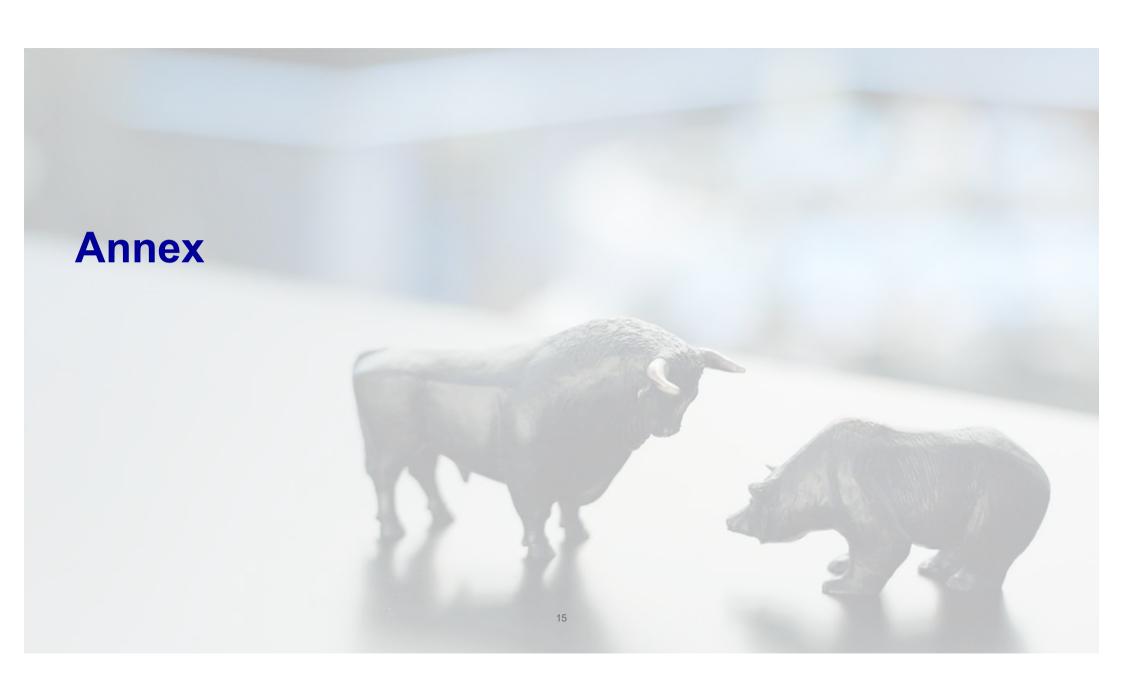
# ACE volatility model introduces automatically expanding auction corridors at given time intervals

#### **ACE model workflow during Opening Auction**



**RP:** Reference price (last traded price or last auction price) *C<sub>i</sub>*: ACE auction corridor *i* with pre-defined percentage thresholds around RP

- New ACE volatility model replaces single standard volatility interruption with multiple, automatically expanding auction corridors at given time intervals
- ACE auction corridors allow for consecutively larger price deviations from the previous reference price
- Optional price quality controls can be enabled to ensure that price quality is not compromised
- Concept of manual auction termination will be maintained for events where price determination within a given number of ACE auction corridors is not possible
- Number of auction corridors, individual corridor thresholds and duration of each corridor call phase will be disclosed to the public



# **Detailed Planned Trading Schedule**

for Börse Frankfurt (MIC XFRA)

Product State	Instrument State	Bonds	BFZ-Warrants	Equities, ETFs/ ETPs, Mutual Funds, Subscription Rights
Start of Day	Closed	06:00 - 06:59	06:00 - 06:59	06:00 - 06:59
Pre-Trading	Book	07:00 - 07:59	07:00 - 07:59	07:00 - 07:59
Trading	Pre-Call (Freeze)	08:00 - 17:29	08:00 - 21:59	08:00 - 21:59
Closing	Book (Freeze)	17:30 - 17:34	22:00 - 22:04	22:00 - 22:04
Post-Trading	Book	17:30 – 22:04	22:00 - 22:04	22:00 - 22:04
End of Day	Closed	22:05 - 22:14	22:05 - 22:14	22:05 - 22:14
Post End of Day	-	22:15	22:15	22:15
	On	08:00 - 17:29	08:00 - 21:59	08:00 - 21:59
TES	Ended	17:30 - 22:04	22:00 - 22:04	22:00 - 22:04
	Off	22:05	22:05	22:05

Modified

# Thank you!

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